

CLAIMS

1. A terminal for interactive telebroadcasting system conforming to at least one specified telebroadcasting standard, comprising:
 - at least one unit for adaptation to a physical medium of a telebroadcasting standard, the unit including:
 - means for receiving a telebroadcast signal of the telebroadcasting standard so as to produce downstream information extracted from the telebroadcast signal;
 - means for generating a transmission time base from the downstream information;
 - means for transmitting a return signal, wherein the return signal is clocked as a function of the transmission time base; and
 - at least one control unit including a calculation unit having means for generating upstream information, the calculation unit being clocked as a function of the transmission time base.
2. The terminal according to claim 1, further comprising:
 - means for transmitting the transmission time base from the unit for adaptation to the physical medium to the calculation unit via a specified synchronization interface protocol.
3. The terminal according to claim 2, wherein the transmission time base further comprises:
 - a counter which is clocked by a clock signal, a value of the counter and the clock signal being transmittable according to the synchronization interface protocol.
4. The terminal according to claim 1, further comprising:
 - means for transmitting the upstream information from the control unit to the unit for adaptation to the physical medium via a specified synchronous upstream data interface protocol.
5. The terminal according to claim 2, further comprising:
 - means for transmitting the upstream information from the control unit to the unit for adaptation to the physical medium via a specified synchronous upstream data interface protocol.

6. The terminal according to claim 3, further comprising:
means for transmitting the upstream information from the control unit to the unit for adaptation to the physical medium via a specified synchronous upstream data interface protocol.
7. The terminal according to claim 4, wherein the control unit further comprises:
means for temporally clamping a delivery of the upstream information to the unit for adaptation to the physical medium by taking account of the part corresponding to an integer number of symbols of an offset parameter received in the downstream data.
8. The terminal according to claim 5, wherein the control unit further comprises:
means for temporally clamping a delivery of the upstream information to the unit for adaptation to the physical medium by taking account of the part corresponding to an integer number of symbols of an offset parameter received in the downstream data.
9. The terminal according to claim 6, wherein the control unit further comprises:
means for temporally clamping a delivery of the upstream information to the unit for adaptation to the physical medium by taking account of the part of the upstream information corresponding to an integer number of symbols of an offset parameter received in the downstream data.
10. The terminal according to claim 7, wherein the control unit further comprises:
means for temporally clamping a delivery of the upstream information to the unit for adaptation to the physical medium by taking account of the part of the upstream information corresponding to an integer number of symbols of an offset parameter received in the downstream data.
11. The terminal according to claim 1, further comprising:
means for transmitting commands between the control unit and the unit for adaptation to the physical medium, via a specified synchronous control interface protocol.
12. The terminal according to claim 4, further comprising:
means for transmitting commands between the control unit and the unit for adaptation to the physical medium, via a specified synchronous control interface protocol.

13. The terminal according to claim 7, further comprising:
means for transmitting commands between the control unit and the unit for adaptation to the physical medium, via a specified synchronous control interface protocol.
14. The terminal according to claim 1, wherein the unit for adaptation to the physical medium is embodied in the form of an integrated electronic component.
15. The terminal according to claim 1, wherein the calculation unit for the generation of the upstream information is a first coprocessor.
16. The terminal according to claim 15, wherein the control unit further comprises:
a general-usage processor;
a second coprocessor for processing the downstream data; and
a shared memory, which are linked to the first coprocessor by a bus.
17. A terminal for interactive telebroadcasting system conforming to at least one specified telebroadcasting standard, comprising:
at least one unit for adaptation to a physical medium of a telebroadcasting standard, the unit including:
a receiver module for receiving a telebroadcast signal of the telebroadcasting standard so as to produce a downstream information extracted from the telebroadcast signal;
a time base generator module for generating a transmission time base from the downstream information;
a transmission module for transmitting a return signal, wherein the return signal is clocked as a function of the transmission time base; and
at least one control unit including a calculation unit having means for generating upstream information, the calculation unit being clocked as a function of the transmission time base.